QC

Quality Control

Memo

											DQA:	Date:		
NCR: Ye	s /	No				WORK ORDER NON-C	ON	IFORN	MANCE / UPD/	ATE	QA Closed:	Date:		
		····				DISPOSITION				AGAINST DE	DEPARTMENT/PROCESS			
Work Order:  Part No  NCR No.				Rework Scrap			Skid-tube Crosstube Small Fab Thermoforming Finishing Composite		Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier		Engineering Quality Other			
Root	1					iption of work order update	l .	nitial	Actio		Sign & Date	Verification	QC Inspector	
Cause		Date	Step	Qty		or Non-conformance	Ch	ief Eng	Descri	otion	Date	Vermedion		
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training														
Unapproved	1_		<u> </u>	<u> </u>	<u> </u>		AU	LT CATE	GORY					
Landir		Bending Centre N Cracks	lot Conce		o O/S	General  Bend  BOM/Route  Broken/Damaged  Burrs  Contamination		Grain Hardw Inspec		Jnclear	Ovalized Over/Unde Part Incorr Part Lost/N Part Move	ect Missing	Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled	
	1 I'	Culis			L			┓		i	Docitioned	Wrong		

Mislabeled

Out of Calibration

Out of Sequence

Outside Dimensions

Misread

Offset

Countersink

Cut Too Short

Drill Holes

Drawing

Finish

Folio

Positioned Wrong

Power Loss/Surge

Other

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Heat Treat

Inspection Strip in Tube

Torque Waves in Extrusion

Monday, September 23, 2013 8:21:04 AM Accept \*N900040100\* Setup Start D3937-1 Item ID: **Revision ID:** Luminescent Strip Item Name: **Start Qty: 32.00 Cust Item ID:** 9/23/2013 **Start Date:** Required Date: 10/4/2013 Req'd Qty: 32.00 **Customer:** Reference: Run Date: Tooling: Date: Process Plan: Approvals: Stop SPC (Y/N): QC: Date: Date: Reject Set Up/ Tool ID Tool # Plan Accept Reject Insp. Sequence ID/ Operation Qty Qty Description Code Number Stamp Work Center ID **Run Hours** Identify as per dwg & Stock Location: 130 DAS \*120\* 0.00 Packaging Memo Packaging

140 \*140\*

OC

**Ouality Control** 

OC21- Final Inspection - Work Order Release

0.00

Memo

0.00

3-70-7 MF 10-07

										DQA:	Date:			
NCR: Y	es / No				WORK ORDER NON-C	ON	FORM	ANCE / UPDATE	(	_ QA Closed:	Date:			
					DISPOSITION		AGAINST DEPARTMENT/PROCESS							
Part No.  NCR No.				Rework Scrap Use-as-is Work Order Update		N Therm	Machining Sma	stube II Fab shing oosite		Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other			
		<del></del>	Ī	Descri	iption of work order update	In	itial	Action		Sign &				
Root		Can	Oty		or Non-conformance	1	ef Eng	Description		Date	Verification	QC Inspector		
Cause	Date	Step	Qty		of Non-comormance							,		
Doc/Data	_			1		1				!				
Equip/Tooling	_		1											
Operator			1	1		-[								
Material		ļ				ļ								
Setup		-	1	1										
Other				}		1						٠,		
Process			1			1								
Supplier						ł						77.5		
Training	П		İ									* 3		
Unapproved		İ	1	ļ		<u> </u>						<u> </u>		
					F	AUL	T CATE	GORY						
Landi	ng Gear				General				Г	Ovalized	[	Pressure/Forced		
	Bendir	ıg			Bend		Grain		-	4	- telerance	Temperature/Cure		
	Centre	Not Conc	entric to	o/s	BOM/Route		Hardw		-	Over/Under	F-	Weld		
1	Cracks			Ţ	Broken/Damaged			ion Incomplete	<u> </u>	Part Incorre	_	Wrong Stock Pulled		
		ed/Crimpe	d		Burrs		Instruc	tions Incomplete/Unclear	L	Part Lost/N	_	TANIOUS STOCK Liqued		
	Cuffs			T	Contamination		Maint	enance	_	Part Moved				
	<b>_</b>	reat		<u> </u>	Countersink		Mislab	eled		Positioned		¬₋.		
Heat Treat						Misrea	d		Power Loss	/Surge	Other			

Misread

Out of Calibration

Out of Sequence

Outside Dimensions

Offset

Cut Too Short

Drill Holes

Drawing

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Inspection Strip in Tube

Torque Waves in Extrusion

Monday, September 23, 2013 8:21:03 AM

Work Order ID:

107121

Parent Item:

D3937-1

Parent Item Name:

Luminescent Strip

Start Date: 9/23/2013

Required Date: 10/4/2013

Page 1

**Start Qty: 32.00** 

Required Qty: 32.00

Comments:

IPP RevA: New issue DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
PL88-990LH00 Luminescent Strip		Purchased	No			110	Each	16.0000	1	32 32 X			2 94
Editinescent Surp				Location		Loc Oty	Lo	c Code		,	13-10	7-9	
				ST		16						,	
				945	31	16							

								DQA:	Date:	
NCR: Yes	s / No			WORK ORDER NON-	CONFORM	MANCE / UP	DATE	QA Closed:	Date:	
i i				DISPOSITION			AGAINST DEI	PARTMENT/	PROCESS	
Work Order:				Rework	1 <b> </b>	Skid-tube	Crosstube		Water Jet	Engineering
Part No				Scrap Use-as-is Work Order Update	_ 1	Machining noforming Large Fab	Small Fab Finishing Composite	Prod. Eng. Coor.  Rec/Store/Packaging  Supplier		Quality Other
			1 1	Description of work order update	Initial	A	ction	Sign &		
Root				or Non-conformance	Chief Eng	Des	cription	Date	Verification	QC Inspector
Cause	Date	Step	Qty	Of Non-comormance						
Doc/Data	_				1					
Equip/Tooling	_	l	1			Ì				
Operator	i				1	İ			1	
Material		Ì								
Setup	_		Ì							
Other		1			1			ŧ		
Process			1							
Supplier									ļ	
Training		- 1	1							
Unapproved		L		<u> </u>	FAULT CAT	 FGORY		<u> </u>		
					FAULI CAT					<u> </u>
Landin	g Gear			General	Crain		Γ	Ovalized		Pressure/Forced

Grain

Hardware

Maintenance

Out of Calibration

Out of Sequence

Outside Dimensions

Mislabeled

Misread

Offset

Inspection Incomplete

Instructions Incomplete/Unclear

Temperature/Cure

Wrong Stock Pulled

Weld

Other

Over/Under tolerance

Part Incorrect

Part Moved

Part Lost/Missing

Positioned Wrong

Power Loss/Surge

Bend

Burrs

BOM/Route

Broken/Damaged

Contamination

Countersink

**Cut Too Short** 

Drill Holes

Drawing

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Crushed/Crimped

Inspection Strip in Tube

Torque Waves in Extrusion

Bending

Cracks

Cuffs

Heat Treat

Centre Not Concentric to O/S

SPECIFICATION CONTROL DRAWING

#### **D3937-1 LUMINESCENT STRIP**

DART PART NUMBER	LENGTH	WIDTH "W"	THICKNESS	SUPPLIER	SUPPLIER PART NUMBER	WEIGHT	
D3937-1	19.5	0.67	0.09	LUFTHANSA TECHNIK	PL88-990LH00	0.04 LBS	

CX13/09/23 W10: 107/21

NOTES:
1) MATERIAL: SEE TABLE
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: N/A
6) IDENTIFICATION: N/A
7) WEIGHT: SEE TABLE

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DESIGN DRAWN DRAWING NO. REV. B CHECKED D3937 MFG. APPR. SHEET 2 OF 3 APPROVED SCALE LUMINESCENT STRIP DE APPR. COPYRIGHT © 2019 BY DART AEROSPACE LTD

TO SHOWAT AND CONTRIBUTION AND IS REPORTED ON THE EXPRESS CONDITION THAT IT IS

100 FOR MAY PURPOSE OR COPED OR COMMANICATED TO ANY OTHER PERSON WITHOUT DATE 09.11.27

										DQA:	Date:			
NCR: Yes / No						WORK ORDER NON-CONFORMANCE / UPDATE					Date:			
Work Order:						DISPOSITION		AGAINST DEPARTMENT/PROCESS						
Part No						Rework Scrap Use-as-is	Therm	Skid-tube Crosstube  Machining Small Fab  Thermoforming Finishing			Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other		
NCR No.						Work Order Update	<sup>j</sup>	Large Fab	Composite					
Root Cause		Date	Step	Qty		ption of work order update or Non-conformance	Initial Chief Eng	<b>.</b>	ction scription	Sign & Date	Verification	QC Inspector		
Doc/Data	口						ļ				i '			
Equip/Tooling		!												
Operator	Ц		ļ				-							
Material	Ц					•	Ì							
Setup	Ш													
Other '	Ш		1											
Process	Ц		l				ļ							
Supplier				1				1		- 1				

**FAULT CATEGORY** 

Grain

Hardware

Maintenance

Out of Calibration

Out of Sequence

Outside Dimensions

Mislabeled

Misread

Offset

Inspection Incomplete

Instructions Incomplete/Unclear

Pressure/Forced

Weld

Other

Temperature/Cure

Wrong Stock Pulled

Ovalized

Part Incorrect

Part Moved

Part Lost/Missing

Positioned Wrong

Power Loss/Surge

Over/Under tolerance

General

Bend

Burrs

BOM/Route

Broken/Damaged

Contamination

Countersink

**Cut Too Short** 

**Drill Holes** 

Drawing

Finish

Folio

Wave/Twist in Tube

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Turning Sequence

Ripples in Bend

Crushed/Crimped

Inspection Strip in Tube

Torque Waves in Extrusion

Training Unapproved

**Landing Gear** 

Bending

Cracks

Cuffs

Heat Treat

Centre Not Concentric to O/S

## Konsolidierungsliste

DART AEROSPACE LTD

CA - K6A 1K7 HAWKESBURY

1270 ABERDEEN



SENDUNGS-NR: 52031349036

**LufthansaTechn** 

SZT (Pack):

30.09.2013 18:41:

Übergabe VB:

30.09.2013 19:11:00

Bedarfstermin:

Mandant:

**HAM** 

Vers.system:

MFF

Priorität:

**B2** 

Transport:

10 (KEP-Dienstleister)

Spediteur:

**FED** 

Zollstatus:

Х

Holzverpackung/-Paletten müssen gem. IPPC-LOGO gekannzeichent sein: "HT" und "DB": "MB" ist weiterhin gültig.

**FAX-AVIS:** 

PL88-900LH00:C1008

PNR:MFR

632-4443

051006520500001 Versandauftrag:

Hinweise:

Empfänger:

A-PL Beschreibung

AISLE # AISLE

LIGHT-PHOTOLUMINESCENT

Ser.-No.

VC

GIS Status: Nicht geprüft im GIS

502,000 EA T VA

## **Lufthansa Technik**

## **Delivery Note**

30.09.2013

Page 1 of 1

SHIPPER

Lufthansa Technik AG Weg beim Jäger 193 DE-22335 Hamburg

**BECKER** HAM WI43 +49 40-5070-68509 Shipment No.

52031349036



Consignee's Name and Address DART AEROSPACE LTD

1270 ABERDEEN

CA - K6A 1K7 HAWKESBURY

Shipping Information

Customs status X

Incoterm

**FCA HAM** 

Destination

DERAC-No.

DE/RA/00777-04/0215

No of Dioces	Gross weight kg	Description of Packing						
No of Pieces	1,40	1 carton / 1.40 KG / 58x7x7CM						
		Description						

POS Material-/Partnummer

Description

PL88-900LH00:C1008

AISLE # AISLE LIGHT-PHOTOLUMINESCENT

Condition: new 32,000 EA Ser.No.:

Your Reference: ZID: 308797692

The material has been obtained from a Lufthansa Technik approved source. We confirm that the parts were not obtained from any U.S. Government or U.S. Military sources. The parts have not been subjected to extreme stress or heat (as in major engine failure, accident or fire) to the best of our knowledge and while in possession of Lufthansa Technik unless otherwise indicated. This document was issued electronically and is therefore valid without signature.

# MATERIAL IDENTIFICATION (VERSAND: MATERIAL-IDENTIFIZIERUNGSBELEG)



Order number Contact Purchasing Grp Phone :

Versandpriorität

02 = B1:gebuchte Fracht

<u>Materialdaten</u>

PNR/MFR Description (German) Description (English)

Serial No. Condition Quantity ZID

Charge (EO) abg. Lagerort Dangerous Good (Gefahrgut):

PL88-900LH00:C1008

AISLE #AISLE LIGHT-PHOTOLUMINESCENT AISLE # AISLE LIGHT-PHOTOLUMINESCENT

AL-Code: 0 ASS-Code: I ECCN: 9A991D

32 EA **Lizenz** 

empf. Lagerort:

Internal information (for LH-use only)

- Versandauftragsdaten 510065205

Versandauftrags-Nr

VA Pos-Nr Kostenträger(KST/AUF)

SM-Meldung Nr

SM-Meldung Homebase Name/Abt./Tel.Nr.Ersteller

Erstelldatum'

90796230

Becker / HAM WI43 / +49 40-5070-68509

30.09.2013

<u>Empfänger</u> DART AEROSPACE LTD

<u>Adresse:</u> Empfängername

Empfängername 2 Empfängemame 3

Strasse/Nr

Post-LZ / Ort / Region Länderkennzeichen

1270 ABERDEEN

K6A 1K7, Hawkesbury ON Land Code EU001

LH-Intern (Org-Einh.)

<u>Versanddaten</u>

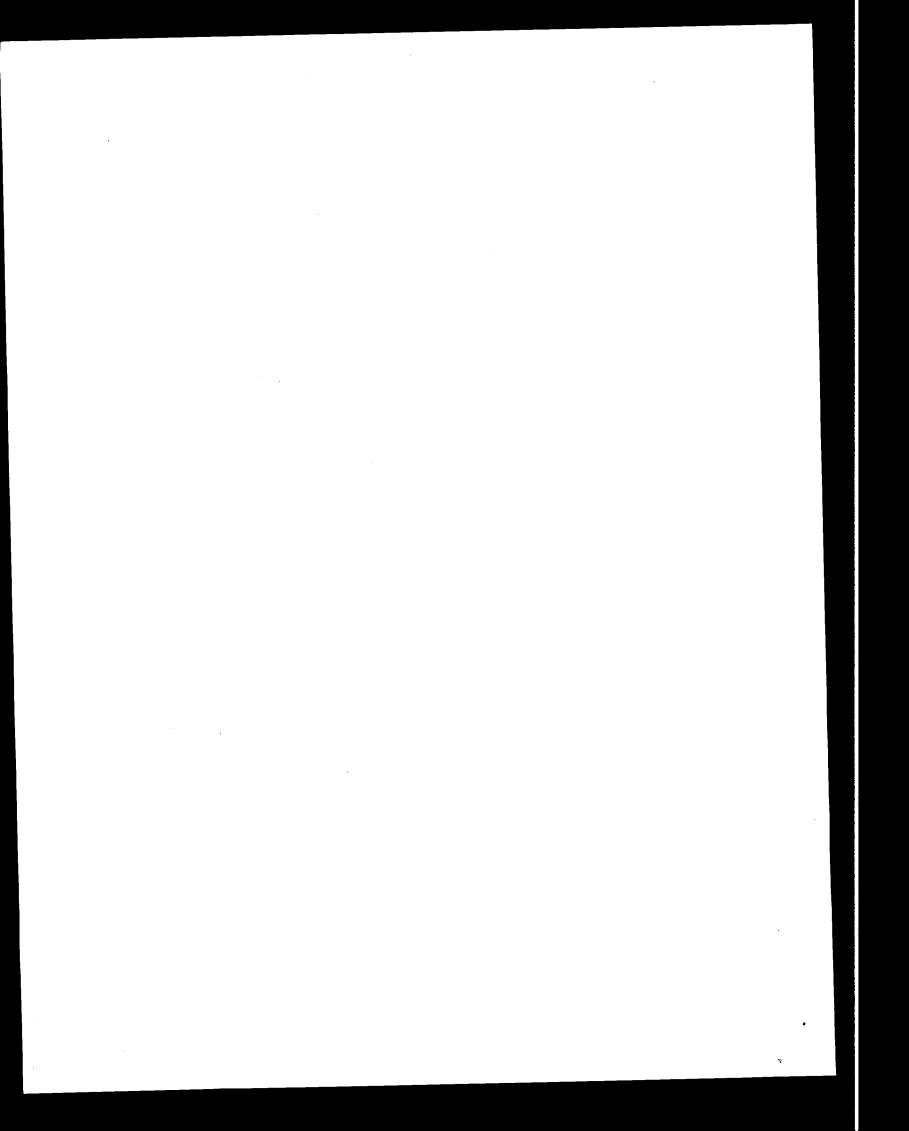
Verpackungscode

YAA:

<u>Additional information</u>

1. Country  Germany  4. Organisation	Certifi	cate of Confo	rmity		Lufthansa T Weg beim J	echnik AG	3. Certificate Ref. 9o. 21443  5. Work Order/Contract/Invoice
	Lufthan	sa Technik			P.O. Box 63 D-22313 Ha Federal Rep	0300 mburg sublic of Germany	21443
6. Item	7. Description	8. Part No.		9. Eligibility (1*)	10. Qty.	,11. Serial/Batch No.	12. Status/ Work
01	Guideline AC/MSN Dart Helicopter	P/N Ship Set 19,5" Shipsel	N.	unknown	1	N/A	new
13. Specification/Ren	· .						
Manufactured in	acc. Dwg No.: D3937 Rev.B Sheet	1-3					
	Shelf life 6 year	ars	) 1 2				
					•		
				· ·			
			.(				· · · · · · · · · · · · · · · · · · ·
14. Signature	/A	15. ID-Stamp 023629 23629 17. Date /dd/mm/yy.		18. Statement  Certifies that the part(s) spo	ecified above confo	orm(s) with the specification in box	3 and is (are) new,
16. Name Thomas Günther WM 481		30.09.2013	,				

(1\*) Installer must determine installation eligibility





Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

## **PURCHASE ORDER**

### Purchase Order ID PO21443

Purchase Order Date 9/23/2013 PO Print Date 9/23/2013

Page Number 1 of 1

Order From:

**USA** 

VU-LUF001

Ship To:

DART AEROSPACE LTD

**LUFTHANSA TECHNIK AG** P.O. BOX 7247 - 0006739

PHILADELPHIA, PA 19170 - 0006739

1270 ABERDEEN HAWKESBURY, ON K6A 1K7

**CANADA** 

**Contact Name** 

Vendor Phone

Ship To Contact

+49 40 5070 60430

Buyer

Chantal Lavoie

**Customer POID** Customer Tax #

10127-2607

**Terms** 

COD

Currency

USD

**FOB** 

Destination-Collect

Ship To Phone Ship Via: Ship Acct:

FedEx PI collect

Line Reference Nbr **Vendor Part Number** 

Description/ Mfg ID

Req Date/ CD Taxable

Req Qty/ Unit of Measure

Extended Price

Line Comments **Delivery Comments** 

PL88-990LH00

Luminescent Strip

Promise Date 10/4/2013

10/4/2013

Yes

32.00 Each \$140.62

**PO Unit Price** 

\$4,499.84

AS PER DWG D3937 REV. B

B107121

P/N:PL88-990LH00 32 PCS CUT AT 19.5"

Line Total:

\$4,499.84

PO Total:

\$4,499.84

Note: Pricing listed above is as per contract agreement between Dart Aerospace and the respective manufacturer.

No substitution or deviation without consent.

Certificate of Conformity or Material Certification required FYES

PST# 6122-5207

Change Nbr:

Change Date:

9/23/2013

